# RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/591,186
Source: IFWP
Date Processed by STIC: 9/12/06

# *ENTERED*

IFWP

**RAW SEQUENCE LISTING** DATE: 09/12/2006
PATENT APPLICATION: **US/10/591,186** TIME: 11:30:30

Input Set : **A:\HIRA3010 Sequence listing.txt**
Output Set: **N:\CRF4\09122006\J591186.raw**

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      3 <110> APPLICANT: Hirasawa, Akira
      4       Tsujimoto, Gozo
      6 <120> TITLE OF INVENTION: Pharmaceutical Composition For Lowering Blood Sugar Level
      8 <130> FILE REFERENCE: HIRA3010/REF
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/591,186
C--> 10 <141> CURRENT FILING DATE: 2006-08-30
     10 <150> PRIOR APPLICATION NUMBER: JP2004056452
     11 <151> PRIOR FILING DATE: 2004-03-01
     13 <150> PRIOR APPLICATION NUMBER: JP2004240607
     14 <151> PRIOR FILING DATE: 2004-08-20
     16 <160> NUMBER OF SEQ ID NOS: 7
     18 <170> SOFTWARE: PatentIn version 3.1
     20 <210> SEQ ID NO: 1
     21 <211> LENGTH: 377
     22 <212> TYPE: PRT
     23 <213> ORGANISM: Homo sapiens
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     31 Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
     32             20                  25                  30
     35 Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
     36         35                  40                  45
     39 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
     40     50                  55                  60
     43 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
     44 65                  70                  75                  80
     47 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
     48                 85                  90                  95
     51 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
     52             100                 105                 110
     55 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
     56         115                 120                 125
     59 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
     60     130                 135                 140
     63 Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala
     64 145                 150                 155                 160
     67 Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
     68                 165                 170                 175
     71 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser
     72             180                 185                 190
     75 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp
     76         195                 200                 205
```

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79 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
80     210                 215                 220
83 Ile Ser Tyr Ser Lys Ile Leu Gln Thr Ser Glu His Leu Leu Asp Ala
84 225                 230                 235                 240
87 Arg Ala Val Val Thr His Ser Glu Ile Thr Lys Ala Ser Arg Lys Arg
88                 245                 250                 255
91 Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
92             260                 265                 270
95 Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
96         275                 280                 285
99 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
100     290                 295                 300
103 Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
104 305                 310                 315                 320
107 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
108                 325                 330                 335
111 Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys
112             340                 345                 350
115 Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys
116         355                 360                 365
119 Arg Asn Asp Leu Ser Ile Ile Ser Gly
120     370                 375
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124 <211> LENGTH: 361
125 <212> TYPE: PRT
126 <213> ORGANISM: Mus musculus
128 <400> SEQUENCE: 2
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131 1               5                   10                  15
134 Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
135             20                  25                  30
138 Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly
139         35                  40                  45
142 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
143     50                  55                  60
146 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn
147 65                  70                  75                  80
150 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
151                 85                  90                  95
154 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
155             100                 105                 110
158 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
159         115                 120                 125
162 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
163     130                 135                 140
166 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
167 145                 150                 155                 160
170 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
171                 165                 170                 175
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```
174 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
175             180                 185                 190
178 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
179         195                 200                 205
182 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
183     210                 215                 220
186 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
187 225                 230                 235                 240
190 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
191                 245                 250                 255
194 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
195             260                 265                 270
198 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
199         275                 280                 285
202 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
203     290                 295                 300
206 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
207 305                 310                 315                 320
210 Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys
211                 325                 330                 335
214 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
215             340                 345                 350
218 Arg Asn Asp Leu Ser Val Ile Ser Ser
219         355                 360
222 <210> SEQ ID NO: 3
223 <211> LENGTH: 22
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
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231 atgtcccctg aatgcgcgcg gg                                          22
234 <210> SEQ ID NO: 4
235 <211> LENGTH: 22
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
242 <400> SEQUENCE: 4
243 gccagaaata atcgacaagt ca                                          22
246 <210> SEQ ID NO: 5
247 <211> LENGTH: 23
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
254 <400> SEQUENCE: 5
255 cgcacccgct ttcccttctt ctc                                         23
258 <210> SEQ ID NO: 6
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**RAW SEQUENCE LISTING** DATE: 09/12/2006
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Input Set : **A:\HIRA3010 Sequence listing.txt**
Output Set: **N:\CRF4\09122006\J591186.raw**

259 <211> LENGTH: 25
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
266 <400> SEQUENCE: 6
267 agctctttcc ttgatgcctt tgtga 25
270 <210> SEQ ID NO: 7
271 <211> LENGTH: 1389
272 <212> TYPE: DNA
273 <213> ORGANISM: Mus musculus
275 <400> SEQUENCE: 7
276 cagatgagcg ctctctcaga cagcggcggg cggccgggcg cccggcatgt cccctgagtg 60
278 tgcacagacg acgggccctg gcccctcgca caccctggac caagtcaatc gcacccactt 120
280 ccctttcttc tcggatgtca agggcgacca ccggttggtg ttgagcgtcg tggagaccac 180
282 cgttctgggg ctcatctttg tcgtctcact gctgggcaac gtgtgtgctc tagtgctggt 240
284 ggcgcgccgt cggcgccgtg gggcgacagc cagcctggtg ctcaacctct tctgcgcgga 300
286 tttgctcttc accagcgcca tccctctagt gctcgtcgtg cgctggactg aggcctggct 360
288 gttggggccc gtcgtctgcc acctgctctt ctacgtgatg acaatgagcg gcagcgtcac 420
290 gatcctcaca ctggccgcgg tcagcctgga gcgcatggtg tgcatcgtgc gcctccggcg 480
292 cggcttgagc ggcccggggc ggcggactca ggcggcactg ctggctttca tatggggtta 540
294 ctcggcgctc gccgcgctgc ccctctgcat cttgttccgc gtggtcccgc agcgccttcc 600
296 cggcggggac caggaaattc cgatttgcac attggattgg cccaaccgca taggagaaat 660
298 ctcatgggat gtgtttttg tgactttgaa cttcctggtg ccgggactgg tcattgtgat 720
300 cagttactcc aaaattttac agatcacgaa agcatcgcgg aagaggctta cgctgagctt 780
302 ggcatactct gagagccacc agatccgagt gtcccaacaa gactaccgac tcttccgcac 840
304 gctcttcctg ctcatggttt ccttcttcat catgtggagt cccatcatca tcaccatcct 900
306 cctcatcttg atccaaaact tccggcagga cctggtcatc tggccatccc ttttcttctg 960
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310 gttcaggaac gaatggagga agatttttg ctgcttcttt tttccagaga agggagccat 1080
312 ttttacagat acgtctgtca ggcgaaatga cttgtctgtt atttccagct aactagcctc 1140
314 tggtgccagg tgaaccacgg tgtgcatgta aagggagtta acttcaagga aagcccacca 1200
316 gtgcgccctg ctttaaaaat acccgacttc caacagcagg catctacgga gccagcaaat 1260
318 taaggaatga tcgctcagta taaaaatatt tttccttaaa agaactttct atgggttcct 1320
320 tttgtgaact ttttttagtg tgtttgtaat atgatctagt taataaattt ttatttataa 1380
322 ctgttccta 1389

**VERIFICATION SUMMARY** DATE: 09/12/2006
PATENT APPLICATION: **US/10/591,186** TIME: 11:30:31

Input Set : **A:\HIRA3010 Sequence listing.txt**
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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date